

SAFETY DATA SHEET

HORTCARE TRIGGER[®]

SECTION 1: Identification of the substance and supplier

Product name: HORTCARE TRIGGER
Recommended Use: Plant growth regulator, thinning agent

Company: Grosafe Chemicals Ltd.
Address: 20 Jean Batten Drive, Mt Maunganui. (P.O. Box 14450, Tauranga, 3143)
Email: info@grosafe.co.nz
Telephone Toll Free Number:
Emergency Telephone Number: 0800 CHEMCALL (0800 243622)
(EMERGENCIES ONLY) The National Poisons Centre 0800 POISON (0800 764 766)

Date of Issue: July 2017

SECTION 2: Hazards Identification

HSNO Hazard Classification: 6.1D, harmful by ingestion, 6.3 B, skin irritant, 6.4A, eye irritant, 9.1C, slightly harmful to aquatic organisms.

SECTION 3: Composition/information on ingredients

| <u>Ingredients</u> | <u>CAS Number</u> | <u>Content</u> |
|--------------------|-------------------|----------------|
| 6-benzyladenine | (CAS# 1214-39-7) | 20 g/l |

SECTION 4: First Aid Measures

In case of poisoning by any route contact a doctor or Poisons Information Centre.

Swallowed: If large quantities are ingested, drink plenty of water. Do not induce vomiting. Immediately contact a doctor or Poisons Information Centre.

Eye: Flush eyes with large quantities of water for 15 minutes. Seek medical advice.

Skin: If contact occurs remove contaminated clothing and wash affected areas thoroughly with soap and water. Consult a doctor if irritation persists.

Inhaled: Move affected person to fresh air and keep at rest until recovered.

Advise to Doctor: No specific antidote is available. If poisoning is suspected apply symptomatic therapy. Contact The National Poisons Centre (0800 POISON (0800 764 766) for more information.

SECTION 5: Fire Fighting Measures

| | |
|---------------------------------|---|
| Extinguishing media: | Fine water spray or foam. |
| Unsuitable extinguishing media: | None |
| Special exposure hazards: | None |
| Fire and Explosive Properties: | May form hazardous decomposition products |
| Flammability: | Non-flammable |
| HAZCHEM Code: | 2Z |

SECTION 6: Accidental Release Measures

In Case of Spill or Leak: Control the spill at its source. Contain the spill to prevent it from spreading, contaminating soil, or entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with water plus detergent. Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposal.

SECTION 7: Handling and Storage

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store with food or drink. Wash thoroughly with soap and water after handling.

SECTION 8: Exposure Control/Personal Protection

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Ingestion: Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material, Wash thoroughly with soap and water after handling.

Eye Contact: Where eye contact is likely, use chemical splash goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Skin Contact: Where contact is likely, wear chemical-resistant (such as nitrile or butyl) gloves, coveralls, socks and chemical-resistant footwear. For overhead exposure, wear chemical-resistant headgear.

Inhalation: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits.

SECTION 9: Physical and Chemical Properties

| | |
|-------------------------------|----------------------------|
| Appearance: | Clear liquid |
| Odour: | Slight odour |
| pH (5% solution): | ca. 3.0 |
| Boiling Point: | Not available |
| Flammable (Explosive) Limits: | Non flammable |
| Explosive Properties: | Not explosive |
| Oxidizing Properties: | Not an oxidizing agent |
| Vapour Pressure: | Minimal |
| Relative density: | ca. 1.05 g/cm ³ |
| Solubility: | Readily soluble in water |

SECTION 10: Stability and Reactivity

| | |
|-----------------------------------|--|
| Stability: | Stable |
| Conditions to avoid: | Do not store above 30 °C or below -10 ° C. |
| Materials to avoid: | N / A |
| Hazardous Decomposition Products: | May be formed at high temperatures |
| Hazardous Polymerisation: | Will not occur |

SECTION 11: Toxicological Information

| | |
|---|--|
| LD ₅₀ Information (based on active ingredient) | |
| Oral | LD ₅₀ >5000 mg/kg (rat) |
| Dermal | LD ₅₀ >5000 mg/kg (rabbit) |
| Inhaled | LC ₅₀ > 5.99 mg/L air (4 hour exposure rat) |
| Irritation: | |
| Eye: | Irritant |
| Skin: | Slight irritant |
| Sensitisation: | Skin - non-sensitiser |
| Target organ effect: | N / D |
| Carcinogenicity: | Not a known carcinogen |

SECTION 12: Environmental Information

Data for active ingredient

| | |
|--------------------------|---|
| Degradation (biotic): | Readily biodegradable |
| Bioaccumulation: | Log Pow: 2.16 |
| Ecotoxicity | |
| Fish, acute toxicity: | 96 hr-LC50: 42 mg / l (Brachydanio rerio) |
| Daphnia, acute toxicity: | 48 hr LC50: 28 mg / l |
| Algae, acute toxicity: | 72 hr LC50: 45 mg / l (Selanestrum capricornutum) |
| Bees, acute oral: | 48 hr LD50: > 25 µg / bee |
| acute contact: | 48 hr LD50: > 25 µg / bee |

SECTION 13: Disposal Considerations

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to regional or local body bylaws.

SECTION 14: Transport Information

Not scheduled as Dangerous Goods for Transport Purposes

UN Number: None Allocated
UN Shipping Name: None Allocated
UN Classification: None Allocated
UN Packing Group: None Allocated

SECTION 15: Regulatory Information

HORTCARE TRIGGER is a registered product under the ACVM Act 1997 (P7320).
See www.foodsafety.govt.nz for registration conditions.

HORTCARE TRIGGER is approved under the HSNO Act 1996 (HSR000755).
See www.epa.govt.nz for approval conditions

Note: The information contained herein is given in good faith, but no warranty, expressed or implied, is made.
Consult Grosafe Chemicals Ltd. for further information.